



431 River Road
Bow, NH 03304

June 14, 2019

Submitted on-line via NetDMR

U.S. Environmental Protection Agency
Water Technical Unit (SMR-04)
OES4 – SMR
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Reference: NPDES Permit No. NH0001465, Merrimack Station, GSP Merrimack LLC, issued June 25, 1992, modified October 22, 1992, modified January 10, 2018.

Dear Sir/Madam:

Merrimack Station
Monthly NPDES Discharge Monitoring Report
May 2019

In compliance with Part I, Section B.1., of the NPDES permit (see Reference), Granite Shore Power LLC (GSP) herein submits the monthly NPDES report for Merrimack Station for the month of May. With the exception of Outfall 003A, all sampling and analyses were conducted by station personnel in accordance with EPA approved procedures referenced at 40 CFR Part 136. Eastern Analytical, Inc. of Concord, NH, performed the total suspended solids and oil and grease analyses on the monthly grab samples collected at Outfall 003A. There were no oily sheens, floating solids, or foam observed in any of the outfall discharges in other than trace amounts. There were no permit noncompliances recorded during the month.

As instructed by the agencies, GSP now reports a concentration of zero ("0") when the analytical result is less than the method detection limit (MDL). For this report, the following MDLs were used: Total Residual Oxidants = 0.05 mg/l (SM 4500-Cl E – 2011); Oil & Grease = 5.0 mg/l (EPA 1664B); Total Suspended Solids = 5.0 mg/l (SM 2540D – 2011).

June 14, 2019

The pH at Outfall 003 (Station S-0) was routinely recorded below 6.5 SU during the month. Compliance was maintained with the permit however, as the effluent pH closely tracked the naturally occurring river pH at Station N-5 (see the attached data sheets), and any discrepancies were within the analytical limits of the equipment accuracy and precision. As such, these low pH values were not the result of activities at Merrimack Station and so should not be recorded as violations in the Integrated Compliance Information System, Enforcement and Compliance History Online, or any other EPA compliance database.

This report is required by, and prepared specifically for, the U.S. Environmental Protection Agency (EPA). It presents truly, accurately and completely, the observed measurements and analyses required by the EPA to be performed or submitted, but only such observed results. It is not intended as an assertion of the accuracy of any instrument, reading, or analytical result, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions regarding this report, please call Allan Palmer, Senior Engineer, at (603) 230-7951.

Sincerely,

GRANITE SHORE POWER



Elizabeth H. Tillotson

Executive Director of Administration & Regulatory Affairs

Enclosures

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM

MONTHLY SUMMARY REPORT FOR May 2019

STATION: N5

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/19	6.69	2330	6.66	6.62	0845	96
05/02/19	7.17	1230	6.70	6.67	0945	96
05/03/19	6.76	2130	6.74	6.72	0745	96
05/04/19	6.77	0430	6.75	6.73	1115	96
05/05/19	6.77	0330	6.75	6.73	1045	96
05/06/19	6.76	0430	6.60	6.43	1630	96
05/07/19	6.46	0215	6.44	6.42	1500	96
05/08/19	6.45	0230	6.43	6.41	1200	96
05/09/19	6.46	0415	6.43	6.37	2345	96
05/10/19	6.59	0945	6.43	6.39	0030	96
05/11/19	6.48	0000	6.45	6.41	1100	96
05/12/19	6.49	0630	6.47	6.44	1045	96
05/13/19	6.46	0230	6.42	6.39	1630	96
05/14/19	6.47	2330	6.44	6.42	1615	96
05/15/19	6.48	0430	6.46	6.44	1645	96
05/16/19	6.49	0615	6.46	6.39	1930	96
05/17/19	6.50	2000	6.47	6.44	1530	80
05/23/19	6.76	1315	6.73	6.72	2045	45
05/24/19	6.85	1730	6.75	6.73	0030	96
05/25/19	6.76	0815	6.75	6.74	0030	96
05/26/19	6.80	1545	6.76	6.75	0400	96
05/27/19	6.83	1545	6.78	6.76	0015	96
05/28/19	6.80	1145	6.79	6.78	0045	96
05/29/19	7.00	1000	6.80	6.79	0100	96
05/30/19	6.81	0145	6.80	6.79	1300	96
05/31/19	6.84	1900	6.81	6.79	2315	96
AVERAGE	6.68		6.62	6.59		
STD DEV.:	0.19		0.16	0.17		

PUBLIC SERVICE OF NEW HAMPSHIRE
MERRIMACK GENERATING STATION
ENVIRONMENTAL MONITORING PROGRAM
MONTHLY SUMMARY REPORT FOR May 2019

STATION: Zero

PARAMETER: PH

DAY	MAXIMUM (PARAM)	TIME	DAILY AVERAGE	MINIMUM (PARAM)	TIME	#of INT.
05/01/19	6.39	1245	6.34	6.27	0000	96
05/02/19	6.78	1245	6.26	6.21	2330	96
05/03/19	6.22	1730	6.18	6.12	0000	96
05/04/19	6.36	2345	6.17	6.10	0115	96
05/05/19	6.38	0030	6.19	6.13	1000	96
05/06/19	6.32	0000	6.20	6.13	0715	96
05/07/19	6.35	0045	6.22	6.16	0345	96
05/08/19	6.34	1915	6.27	6.21	0115	96
05/09/19	6.36	2230	6.31	6.26	1100	96
05/10/19	6.39	1045	6.29	6.20	0745	96
05/11/19	6.46	1145	6.34	6.22	0115	96
05/12/19	6.37	1730	6.34	6.31	2300	96
05/13/19	6.38	1815	6.31	6.24	1415	96
05/14/19	6.36	1745	6.32	6.28	0300	96
05/15/19	6.42	1715	6.35	6.28	0515	96
05/16/19	6.39	1430	6.36	6.33	0830	96
05/17/19	6.44	2245	6.37	6.33	1500	96
05/18/19	6.46	1545	6.41	6.35	0315	96
05/19/19	6.46	1645	6.41	6.37	0900	96
05/20/19	6.43	1530	6.39	6.35	0615	96
05/21/19	6.56	2115	6.48	6.39	0530	96
05/22/19	6.65	1715	6.58	6.53	0630	96
05/23/19	6.60	0045	6.54	6.49	1400	96
05/24/19	6.57	1615	6.52	6.48	0415	96
05/25/19	6.51	1930	6.48	6.45	1415	96
05/26/19	6.66	1315	6.50	6.45	1100	96
05/27/19	6.54	2000	6.51	6.45	0900	96
05/28/19	6.53	0045	6.47	6.41	2300	96
05/29/19	7.18	0930	6.48	6.41	0415	96
05/30/19	6.49	0015	6.44	6.38	1500	96
05/31/19	6.60	1830	6.54	6.46	0430	96
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AVERAGE	6.48		6.37	6.31		
STD DEV.:	0.18		0.12	0.12		